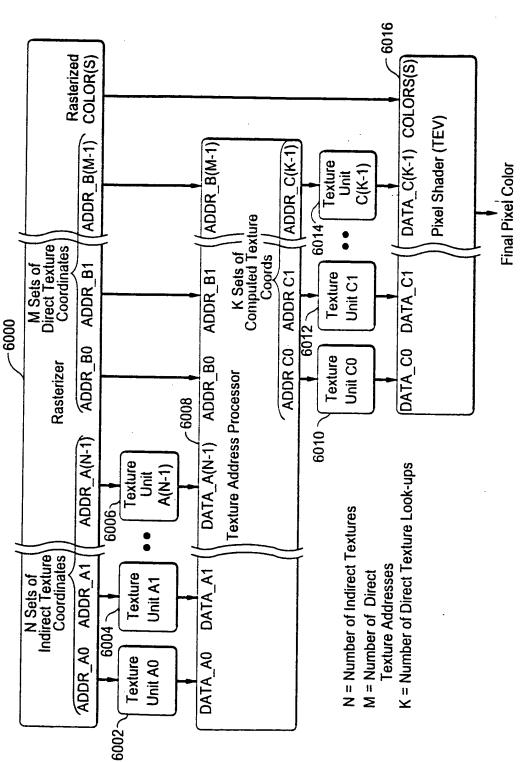


Fig. 5 EXAMPLE GRAPHICS PROCESSOR FLOW



Logical Block Diagram of Indirect Texture Processing

Fig. 6

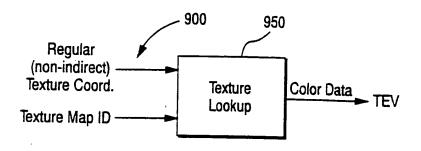


Fig. 7A
REGULAR TEXTURE LOOKUP

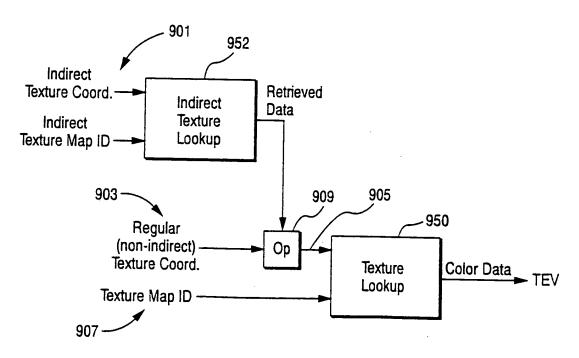


Fig. 7B

H/joy/723-849-F 7.dwg

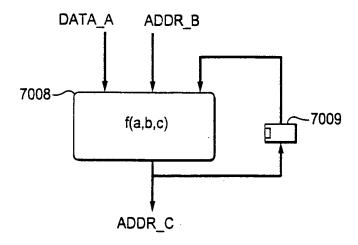


Fig. 9

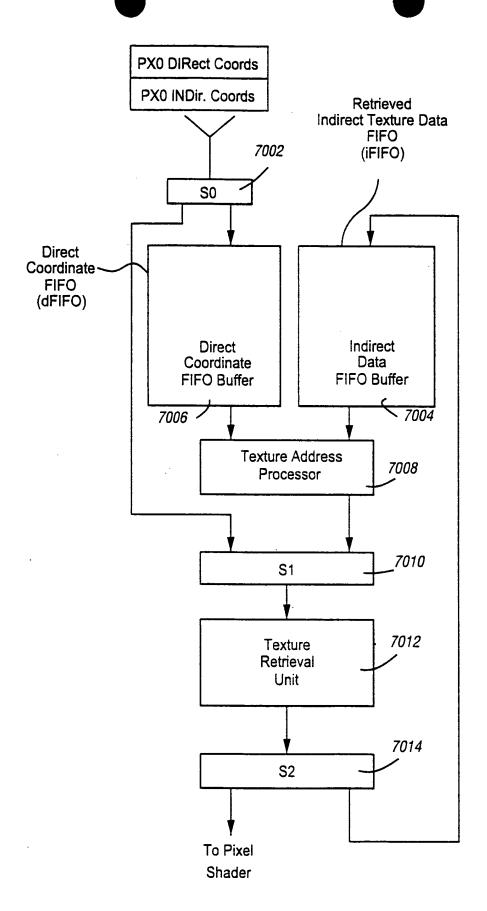


Fig. 10A

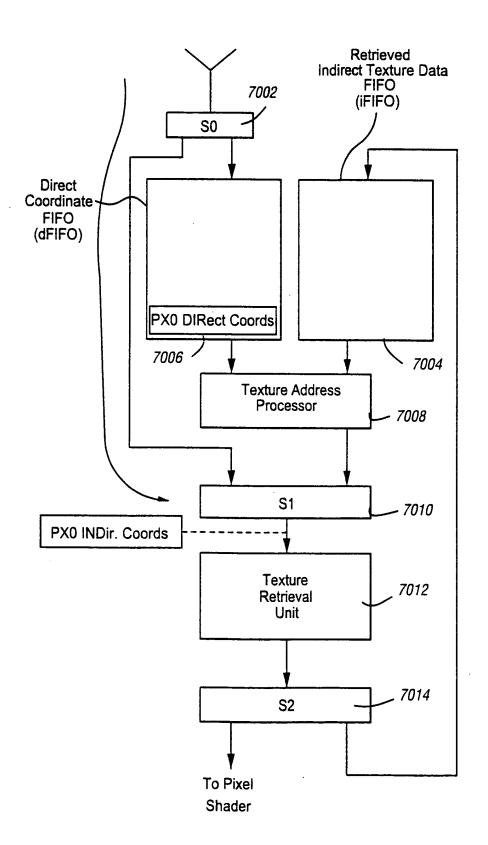


Fig. 10B

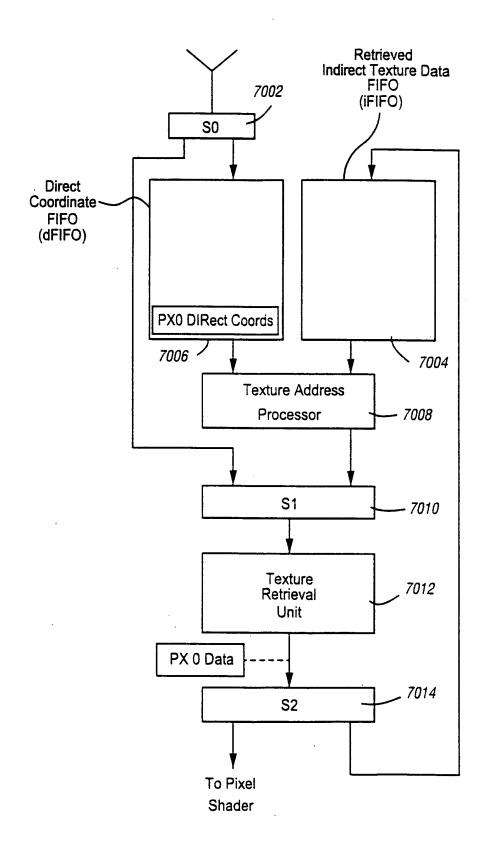


Fig. 10C

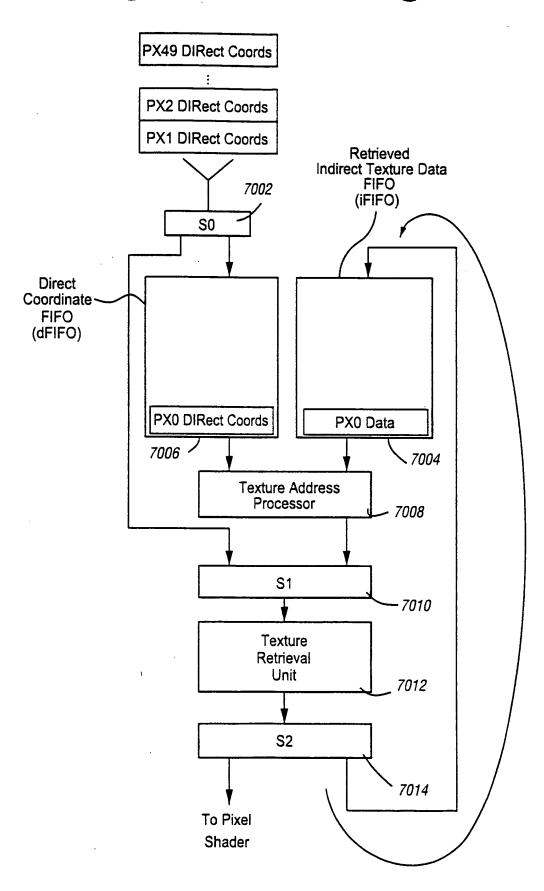


Fig. 10D

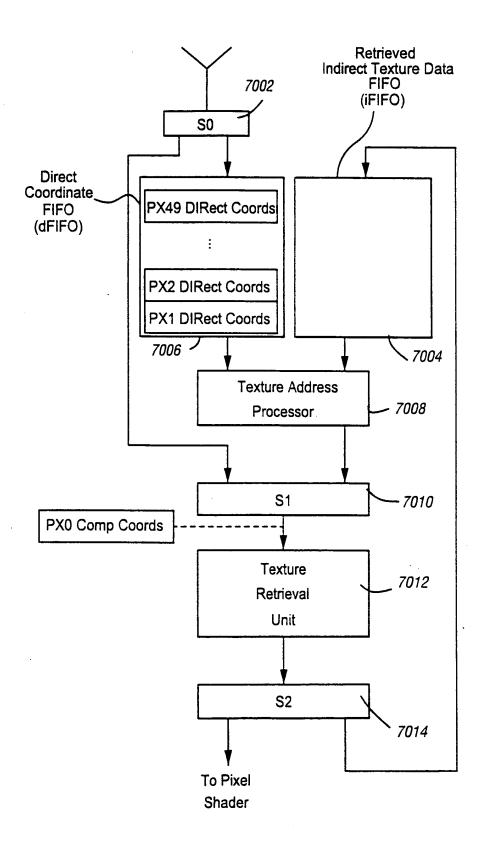


Fig. 10E

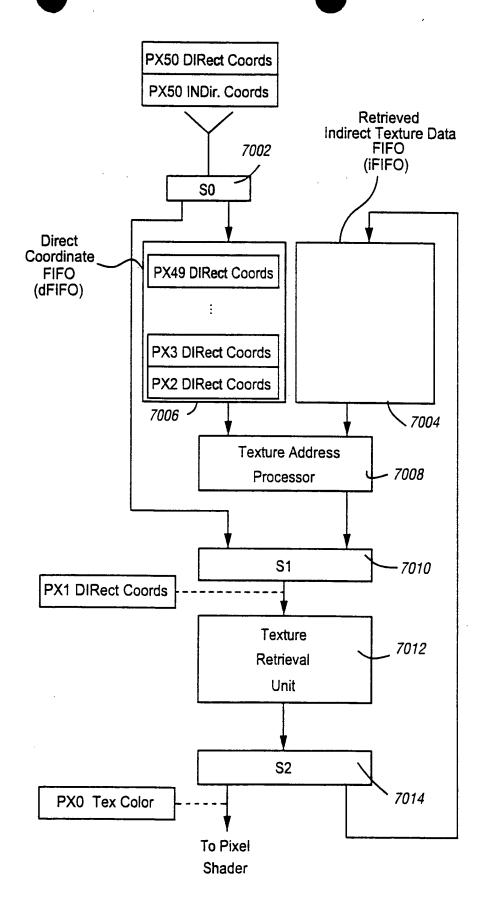


Fig. 10F

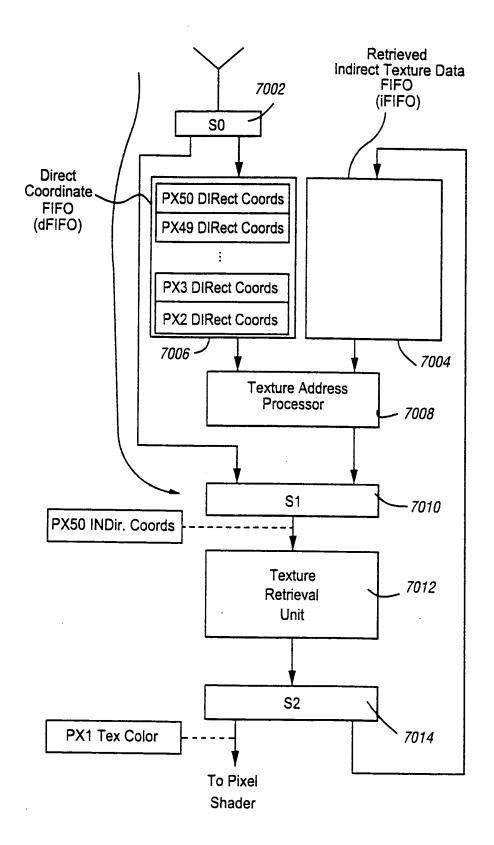


Fig. 10G

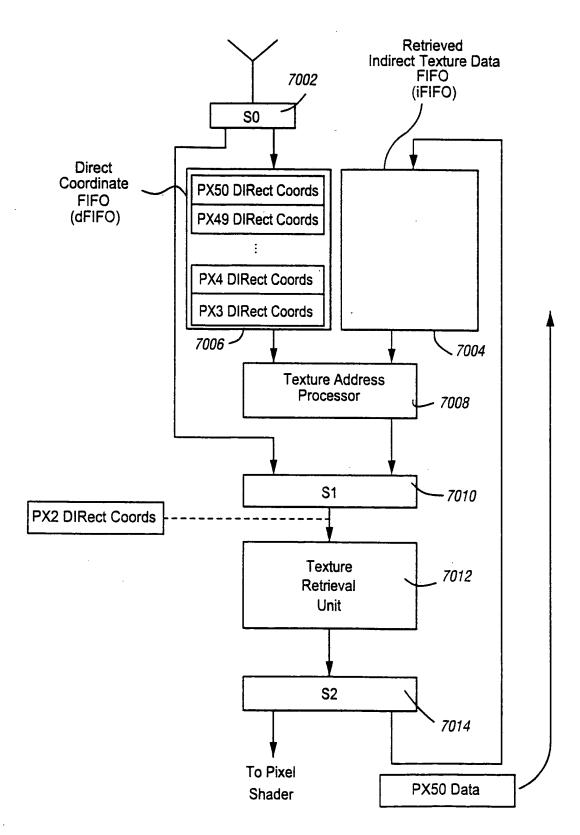


Fig. 10H

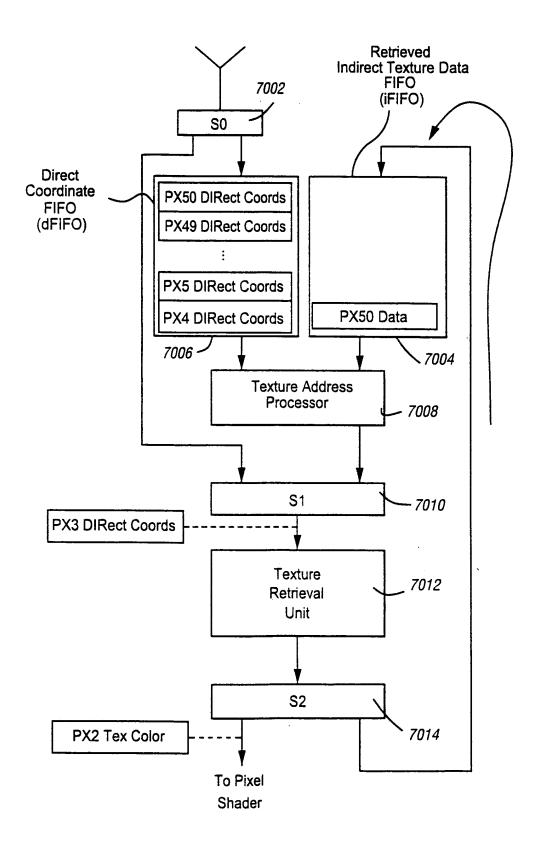


Fig. 101

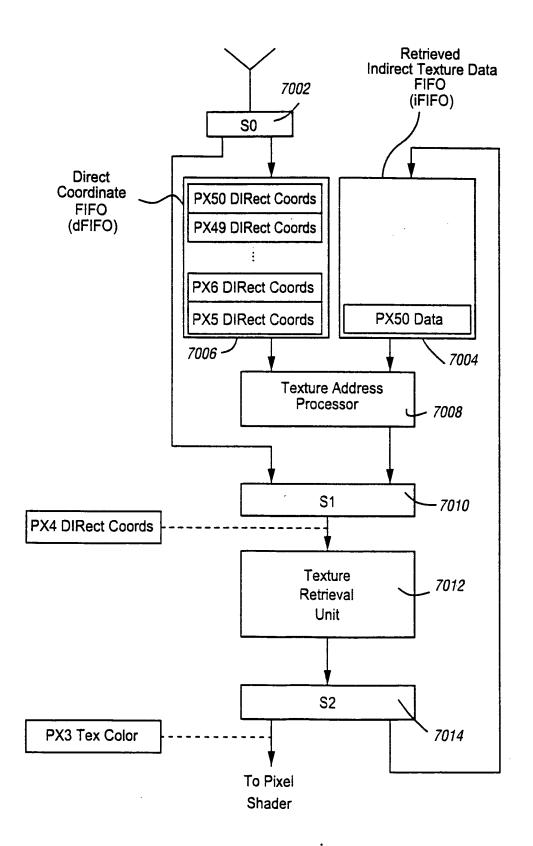


Fig. 10J

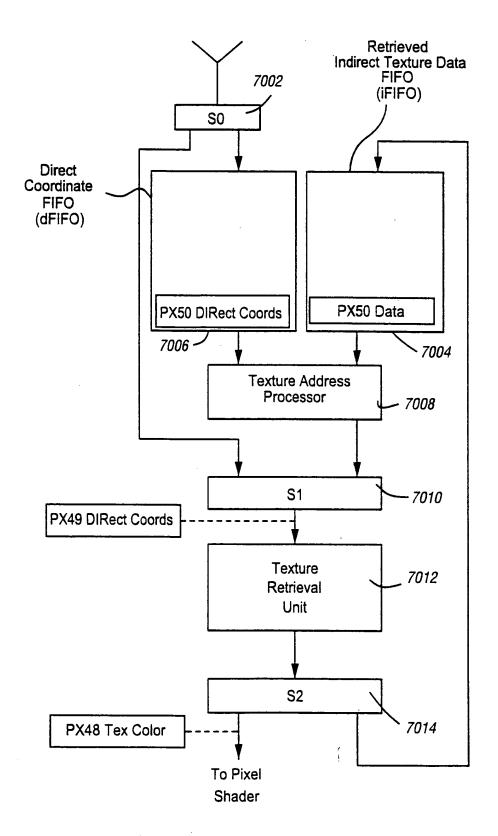


Fig. 10K

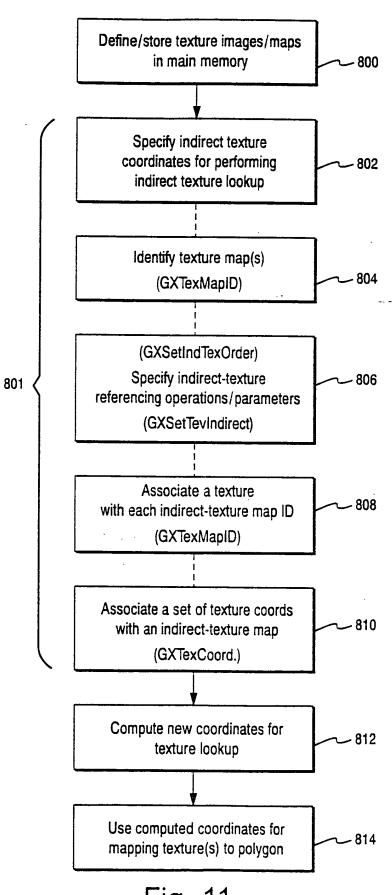
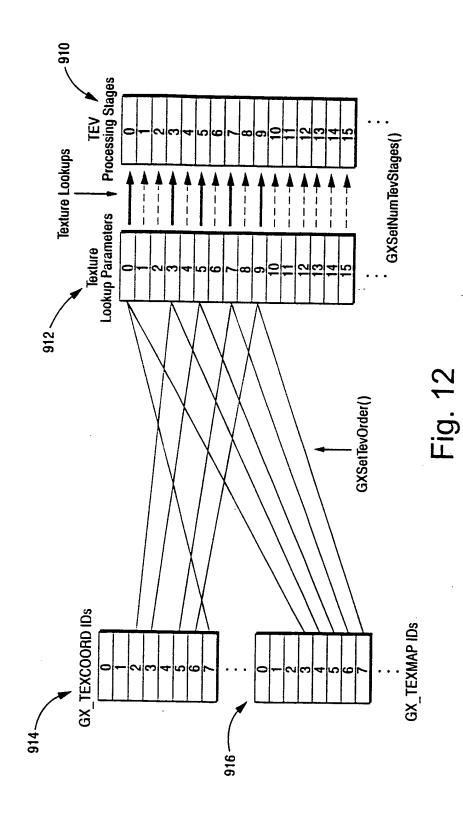
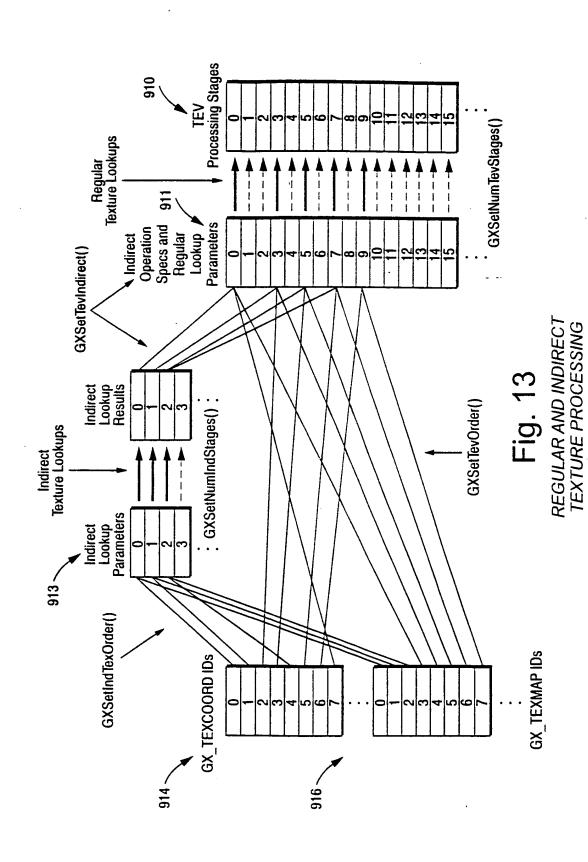


Fig. 11



REGULAR(NON-INDIRECT) TEXTURE PROCESSING



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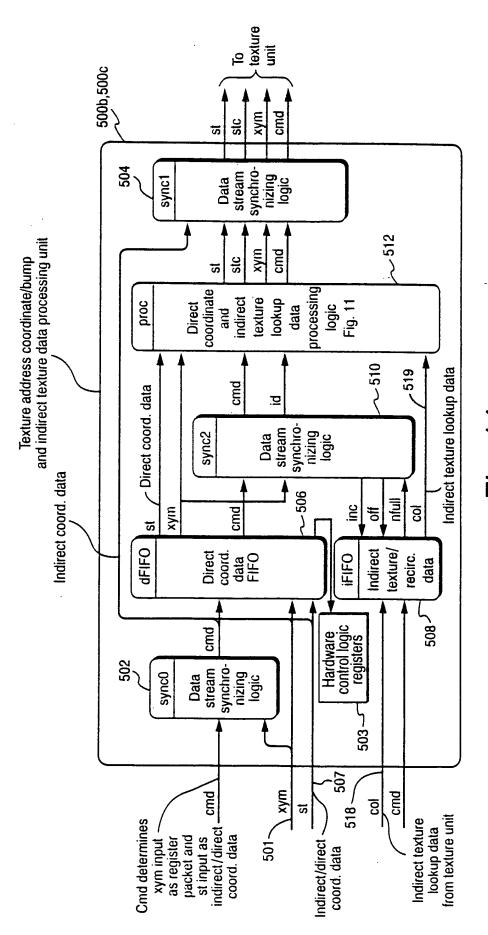
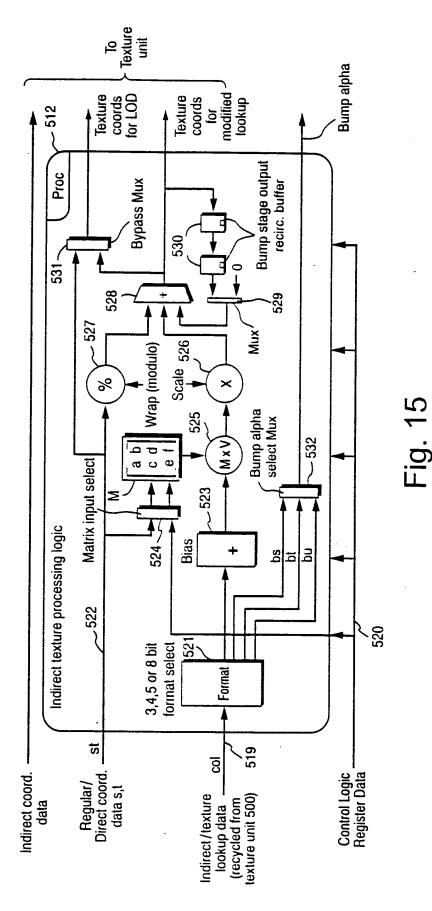


Fig. 14

EXAMPLE BUMP/TEXTURE COORDINATE PROCESSING UNIT

1



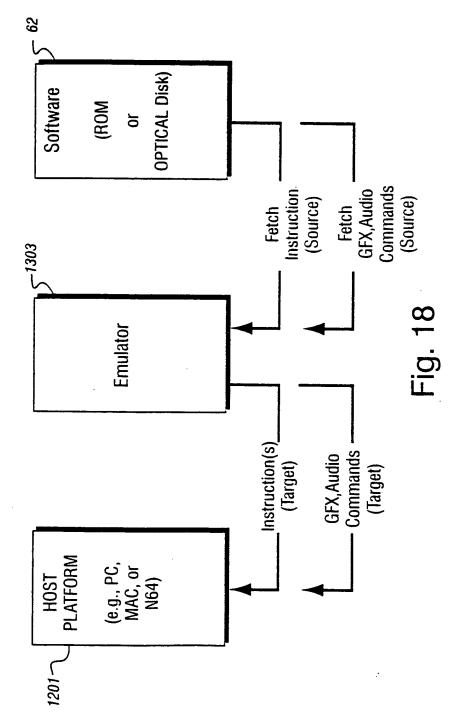
EXAMPLE INDIRECT-TEXTURE
LOOKUP DATA PROCESSING LOGIC

 $\frac{\text{Matrix A}}{\left(s/256 \text{ t}/256\right)}$ $\begin{pmatrix} s \\ s \end{pmatrix} = \begin{pmatrix} ma & mb \\ mc & md \\ t' \end{pmatrix} \cdot \begin{pmatrix} s \\ t \\ u \end{pmatrix} \cdot \begin{pmatrix} \frac{\text{Matrix B}}{s/256} \\ 0 & 0 \\ s/256 & t/256 \\ 0 & 0 \end{pmatrix}$ Fig. 16A EXAMPLE TEXTURE OFFSET MATRICES EXAMPLE TEXTURE FOR SET MATRICES

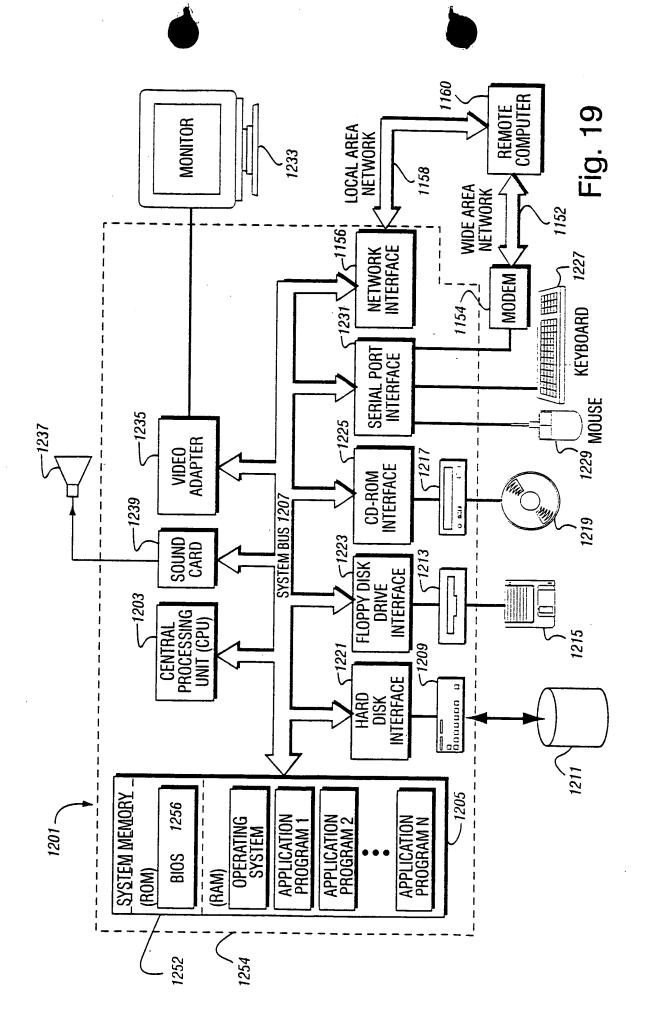
EXAMPLE TEXTURE OFFSET MATRICES

	ma; (10:0)		mb _i (10:0)		s; (1:0)	$MTXA_i$	
	mc _i (10:0)		md _i (10:0)		s _i (3:2)	$MTXB_i$	
	me _i (10:0)	mf _i (10:0) me _i (10:0)		s; (5:4)	$MTXC_i$		
nt _i bt _i	bias _i fmt _i	m _i	swi	fb _i tw _i		CMDi	
	٠						
	•						
:0)	imask (7:0)						
ex	ntex	ntev	p	nbm		N MODE	GEN
		ntev	p	nbmj		EN MODE	GEN

Fig. 17
EXAMPLE CONTROL
LOGIC REGISTERS



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